

## ABSTRACT OF THE

## DISCLOSURE

A cellular phone system, in which the probability generating a call drop is lowered and the processing ability in a base station controlling apparatus can be used effectively, is provided. At a cellular phone system, in which a mobile communication terminal can connect to a first base station by using a carrier frequency and can connect to a second base station by using a different carrier frequency, the mobile communication terminal measures reception quality in the carrier frequencies during the communication with the first base station. When the currently using carrier frequency is changed over to the different carrier frequency based on the measured results of the reception quality, a threshold value for changing over to the different carrier frequency is changed corresponding to the traffic in the currently using carrier frequency by the base station controlling apparatus. When the traffic in the currently using carrier frequency is high, the threshold value is made to be a small value, and the probability changing over to the different carrier frequency is made to be high, and the probability generating the call drop is lowered. When the traffic in the currently using carrier frequency is low, the threshold value is made to be a large value, and the probability changing over to the different carrier frequency is made to be low, and the controlling load for changing over to the different frequency is decreased.